**9.9** 

U.S. Scrial No. 09/611,521 (Attorney Dkt: L1DO:003) Art Unit: 1711

(ii)

C-CON-Ca-R

(iii)

R X-O-OC-C--N--C-CO-O-X X-O-OC-C C-CO-O-X

On page 10 at lines 29 et seq. please substitute—is-- for [maybe] to read as follows:

Where X is H, alkali, alkaline earth, ammonium-substituted radical, ammonium or transition metal;

Where n is 1 to 10; and

Where R is a Lewis base capable of donating a nonbonded pair of electrons.

On page 33 at lines 10 et seq., please insert vertical lines between the "R" and the "C", and between the "Cn" and the "N" in the formula to appear as follows:

K-O-OC-C--N--C-CO-O-K C-CON-C<sub>n</sub>-R



U.S. Serial No. 09/611,521 (Attorney Dkt: LIDO:003) Art Unit: 1711

On page 43, at lines 10 et seq., please insert vertical lines between the "R" and the "Cn"

and between the "Cn" and the "C" in the formula to appear as follows:

Rug 12 02 09:33p

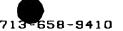
 $C_n$  $\text{K-O-OC-C--N--}\acute{\text{C}}\text{-CO-O}^{-} ^{+}\text{N-C}_{n}\text{--}\text{R}$ K-O-OC-C C-CO-N-Co-R

On page 44 at lines 16 et seq., please insert vertical lines between "R" and "C" and between "Cn" and "N" to appear as follows:

On page 50 at lines 10 et seq., please insert vertical lines between "R" and "Cn" and between "C" and "C" to appear as follows:

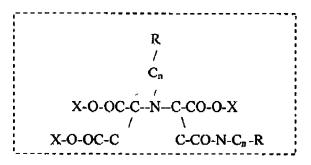
K+O-OC-C C-CO-O'K

On page 58 at lines 8 ct seq., please insert vertical lines between "R" and "C" and between " $C_n$ " and "N" to appear as follows:



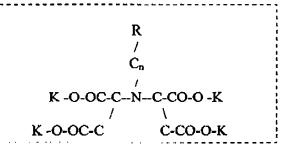
p.10

U.S. Serial No. 09/611,521 (Attorney Dkt: LIDO:003) Art Unit: 1711



On page 59, at lines 15 et seq., please insert vertical lines between "R" and "Cn" and between "C<sub>n</sub>" and "N" to appear as follows:

On page 66, please insert vertical lines between "R" and "C<sub>n</sub>" and between "C<sub>n</sub>" and "N" to appear as follows:



IN THE CLAIMS: (

Please delete claims 31 and 33 and please amend claims 1, 7, 11, 15, and 19 to read as follows:

p.11



U.S. Serial No. 09/611,521 (Attorney Dkt: LIDO:003)

Art Unit: 1711

(Amended) A chelating composition comprising a modified immodisuccinic acid, or a salt thereof, having one or more of the following formulas: (a) R X-O-OC-C--N--C-CO-O-X R-C-nNOC-C C-CON-C<sub>n</sub>-R (b) R X-O-OC-C--N--C-CO-O-X X-O-OC-C C- CON-C<sub>n</sub>-R (c) -O-OC-C--N--C-CO-O-X X-0-ØC-C C-CO-O-X (d) X-O-OG-C-N--C-CO-O-X R-C<sub>0</sub>-NOC-C C- CON-C<sub>n</sub>-R (c) X-O-OC-C--N\-C-CO-O-X X-O-OC-C C-CON-Cn-R **(f)** X-O-OC-C--N-C-CO-O-X X-O-OC-C

U.S. Serial No. 09/611,521 (Attorney Dkt: LIDO:003) Art Unit: 1711

> where X is H, alkali, alkaline earth, ammonium-substituted radical, ammonium or transition metal;

where n is 1 to 10; and

where R is a Dewis base capable of donating a nonbonded pair of electrons

7. (Amended) The method of claim 6 wherein said modified iminodisuccinic acid has one of the following formulas:

R

(a)

X-O-OC-C--N--C-CO-O-X

R-C-nNOC-C

C-CON-Cn-R

(b)

R

X-O-OC-C--N--C-CO-O-X

X-O-OC-C

C- CON-Cn-R

(c)

X-O-OC-C--N--C-CO-O-X

X-O-OC-C

C-CO-O-X

(d)

R-C<sub>n</sub>-NOC-C

C- CON-C<sub>n</sub>-R

(e)

X-O-OC-C

C-CON-C, -R

U.S. Scrial No. 09/611,521 (Attorney Dkt; LIDO:003) Art Unit: 1711

(f)

Bill

where X is H, alkali, alkaline earth, ammonium-substituted radical, ammonium or transition metal:

where n is 1 to 10; and

where R is a Lewis base capable of donating a nonbonded pair of electrons

Suss

1. (Amended) The synthesis of compounds comprising at least one poly functional substitution on iminodisuccinic acid having the following formula:

B12

where X is H, alkali, alkaline earth, ammonium-substituted radical, ammonium or transition metal; n is 1 to 10, and R is a Lewis base capable of donating a nonbonded pair of electrons, wherein said synthesis comprises the steps of:

- (a) adding an acid anhydride or lactone to a first polyfunctional amine, and allowing same to react to form a N-polyfunctional acid common name amide; and
- (b) adding water, M(OH), and a second polyfunctional amine to said N-polyfunctional acid common name amide and allowing same to react to form an imino di N- polyfunctional acid common name amide.

1313 SU)

15. (Amended) The synthesis of compounds comprising at least one poly functional substitution on iminodisuccinic acid having the following formula:

p. 14

U.S. Serial No. 09/611,521 (Attorney Dkt; LIDO:003) Art Unit: 1711

R
/
C<sub>n</sub>

X-O-OC-C--N--C-CO-O-X

X-O-OC-C

C-CO-N-C<sub>n</sub>-R

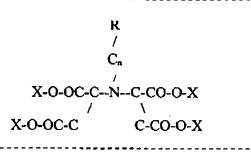
B13(

where X is H, alkali, alkaline earth, ammonium-substituted radical, ammonium or transition metal salts, n is 1 to 10, R is a Lewis base capable of donating a nonbonded pair of electrons, and Me is selected from the alkali metals, wherein said synthesis comprises the steps of:

- (a) adding an acid anhydride or lactone to a first polyfunctional amine, and allowing same to react to form a N- polyfunctional acid common name amide; and
- (b) adding to said N- polyfunctional acid common name amide, water, a second polyfunctional amine, an acid anhydride or lactone, a Me (OH), and allowing same to react to form said compounds.

19. (Amended) The synthesis of compounds comprising at least one poly functional substitution on iminodisuccinic acid having the following formula:

313



where X is H, alkali, alkaline earth, ammonium-substituted radical, ammonium or transition metal salts, where n is 1 to 10; where R is a Lewis base capable of